

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/733,288 B
Source: JFW16
Date Processed by STIC: 09/12/2005

ENTERED



IFW16

RAW SEQUENCE LISTING

DATE: 09/12/2005

PATENT APPLICATION: US/10/733,288B

TIME: 09:40:18

Input Set : A:\P24684.ST25.txt

Output Set: N:\CRF4\09122005\J733288B.raw

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3 <110> APPLICANT: KAIBARA, Makoto
4     IWATA, Hiroki
5     TAKIO, Koji
6     DOHMAE, Naoshi
8 <120> TITLE OF INVENTION: A Blood Coagulation Factor Activating Protein and an
Antibody
9     Thereof
11 <130> FILE REFERENCE: P24684
13 <140> CURRENT APPLICATION NUMBER: 10/733,288B
14 <141> CURRENT FILING DATE: 2003-12-12
16 <150> PRIOR APPLICATION NUMBER: 09/861,708
17 <151> PRIOR FILING DATE: 2001-05-22
19 <150> PRIOR APPLICATION NUMBER: JP 2000-153096
20 <151> PRIOR FILING DATE: 2000-05-24
22 <160> NUMBER OF SEQ ID NOS: 7
24 <170> SOFTWARE: PatentIn version 3.3
26 <210> SEQ ID NO: 1
27 <211> LENGTH: 17
28 <212> TYPE: PRT
29 <213> ORGANISM: Homo sapiens
32 <220> FEATURE:
33 <221> NAME/KEY: misc_feature
34 <222> LOCATION: (1)..(2)
35 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
37 <400> SEQUENCE: 1
W--> 39 Xaa Xaa Pro Gln Gly Asp Ala Ala Gln Lys Thr Asp Thr Ser His His
40 1             5             10             15
43 Asp
47 <210> SEQ ID NO: 2
48 <211> LENGTH: 18
49 <212> TYPE: PRT
50 <213> ORGANISM: Homo sapiens
52 <400> SEQUENCE: 2
54 Ile Val Gly Gly Arg Arg Ala Arg Pro His Ala Trp Pro Phe Met Val
55 1             5             10             15
58 Ser Leu
62 <210> SEQ ID NO: 3
63 <211> LENGTH: 218
64 <212> TYPE: PRT
65 <213> ORGANISM: Homo sapiens
68 <220> FEATURE:
69 <221> NAME/KEY: misc_feature
70 <222> LOCATION: (218)..(218)
71 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid

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73 <400> SEQUENCE: 3

```

75 Ile Val Gly Gly Arg Arg Ala Arg Pro His Ala Trp Pro Phe Met Val
76 1          5          10          15
79 Ser Leu Gln Leu Arg Gly Gly His Phe Cys Gly Ala Thr Leu Ile Ala
80          20          25          30
83 Pro Asn Phe Val Met Ser Ala Ala His Cys Val Ala Asn Val Asn Val
84          35          40          45
87 Arg Ala Val Arg Val Val Leu Gly Ala His Asn Leu Ser Arg Arg Glu
88          50          55          60
91 Pro Thr Arg Gln Val Phe Ala Val Gln Arg Ile Phe Glu Asn Gly Tyr
92 65          70          75          80
95 Asp Pro Val Asn Leu Leu Asn Asp Ile Val Ile Leu Gln Leu Asn Gly
96          85          90          95
99 Ser Ala Thr Ile Asn Ala Asn Val Gln Val Ala Gln Leu Pro Ala Gln
100          100          105          110
103 Gly Arg Arg Leu Gly Asn Gly Val Gln Cys Leu Ala Met Gly Trp Gly
104          115          120          125
107 Leu Leu Gly Arg Asn Arg Gly Ile Ala Ser Val Leu Gln Glu Leu Asn
108          130          135          140
111 Val Thr Val Val Thr Ser Leu Cys Arg Arg Ser Asn Val Cys Thr Leu
112 145          150          155          160
115 Val Arg Gly Arg Gln Ala Gly Val Cys Phe Gly Asp Ser Gly Ser Pro
116          165          170          175
119 Leu Val Cys Asn Gly Leu Ile His Gly Ile Ala Ser Phe Val Arg Gly
120          180          185          190
123 Gly Cys Ala Ser Gly Leu Tyr Pro Asp Ala Phe Ala Pro Val Ala Gln
124          195          200          205

```

W--> 127 Phe Val Asn Trp Ile Asp Ser Ile Ile Xaa

128 210 215

131 <210> SEQ ID NO: 4

132 <211> LENGTH: 219

133 <212> TYPE: PRT

134 <213> ORGANISM: Homo sapiens

136 <400> SEQUENCE: 4

```

138 Ile Val Gly Gly Arg Arg Ala Arg Pro His Ala Trp Pro Phe Met Val
139 1          5          10          15
142 Ser Leu Gln Leu Arg Gly Gly His Phe Cys Gly Ala Thr Leu Ile Ala
143          20          25          30
146 Pro Asn Phe Val Met Ser Ala Ala His Cys Val Ala Asn Val Asn Val
147          35          40          45
150 Arg Ala Val Arg Val Val Leu Gly Ala His Asn Leu Ser Arg Arg Glu
151          50          55          60
154 Pro Thr Arg Gln Val Phe Ala Val Gln Arg Ile Phe Glu Asn Gly Tyr
155 65          70          75          80
158 Asp Pro Val Asn Leu Leu Asn Asp Ile Val Ile Leu Gln Leu Asn Gly
159          85          90          95
162 Ser Ala Thr Ile Asn Ala Asn Val Gln Val Ala Gln Leu Pro Ala Gln
163          100          105          110
166 Gly Arg Arg Leu Gly Asn Gly Val Gln Cys Leu Ala Met Gly Trp Gly

```

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```

167          115          120          125
170 Leu Leu Gly Arg Asn Arg Gly Ile Ala Ser Val Leu Gln Glu Leu Asn
171          130          135          140
174 Val Thr Val Val Thr Ser Leu Cys Arg Arg Ser Asn Val Cys Thr Leu
175 145          150          155          160
178 Val Arg Gly Arg Gln Ala Gly Val Cys Phe Gly Asp Ser Gly Ser Pro
179          165          170          175
182 Leu Val Cys Asn Gly Leu Ile His Gly Ile Ala Ser Phe Val Arg Gly
183          180          185          190
186 Gly Cys Ala Ser Gly Leu Tyr Pro Asp Ala Phe Ala Pro Val Ala Gln
187          195          200          205
190 Phe Val Asn Trp Ile Asp Ser Ile Ile Gln Arg
191          210          215
194 <210> SEQ ID NO: 5
195 <211> LENGTH: 11
196 <212> TYPE: PRT
197 <213> ORGANISM: Artificial
199 <220> FEATURE:
200 <223> OTHER INFORMATION: Blood Coagulation Factor IX sequence fragment from 140 ...
150
202 <400> SEQUENCE: 5
204 Thr Ser Lys Leu Thr Arg Ala Glu Ala Val Phe
205 1          5          10
208 <210> SEQ ID NO: 6
209 <211> LENGTH: 11
210 <212> TYPE: PRT
211 <213> ORGANISM: Artificial
213 <220> FEATURE:
214 <223> OTHER INFORMATION: Blood Coagulation Factor IX sequence fragment, from 175 ...
185
216 <400> SEQUENCE: 6
218 Phe Asn Asp Phe Thr Arg Val Val Gly Gly Glu
219 1          5          10
222 <210> SEQ ID NO: 7
223 <211> LENGTH: 4
224 <212> TYPE: PRT
225 <213> ORGANISM: Artificial
227 <220> FEATURE:
228 <223> OTHER INFORMATION: Fluoregenic synthetic substrate; N-terminal contains
229 N-Methylsuccinyl- ; C-terminal contains 4-Methyl-coumaryl-7-Amide
231 <400> SEQUENCE: 7
233 Ala Ala Pro Val
234 1

```

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 09/12/2005
PATENT APPLICATION: US/10/733,288B TIME: 09:40:19

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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 1,2
Seq#:3; Xaa Pos. 218

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:5,6,7

VERIFICATION SUMMARY

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Input Set : A:\P24684.ST25.txt

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L:39 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0

L:127 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:208